ninetom lin-12-NBT-10.25

NINETOM 10.25-inch Touchscreen Wireless CarPlay Android Auto Multimedia Car Radio Receiver User Manual

Compatible with BMW 1/2 Series NBT System (F20/F21/F23, 2013-2016)

1. Introduction

Thank you for choosing the NINETOM 10.25-inch Touchscreen Wireless CarPlay Android Auto Multimedia Car Radio Receiver. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance and a seamless driving experience. This device is designed to integrate advanced multimedia features while retaining your vehicle's original functionalities.

Key Features:

- 10.25-inch HD Touchscreen (1920x720 resolution)
- Built-in Wireless CarPlay & Android Auto
- Supports original car radio, amplifier, joystick control, and reversing camera
- Linux operating system for stable performance
- Automatic light sensitivity for day and night modes
- Plug-and-play installation

2. Compatibility

This NINETOM touchscreen is specifically designed for BMW vehicles equipped with the NBT system. It is compatible with the following models and years:

System	Model	Year	Screen Size
NBT	1 Series F20 F21	2013-2016	10.25"
NBT	2 Series F22	2013-2016	10.25"

Note: This touchscreen is NOT compatible with other BMW systems. Please verify your vehicle's system before installation.

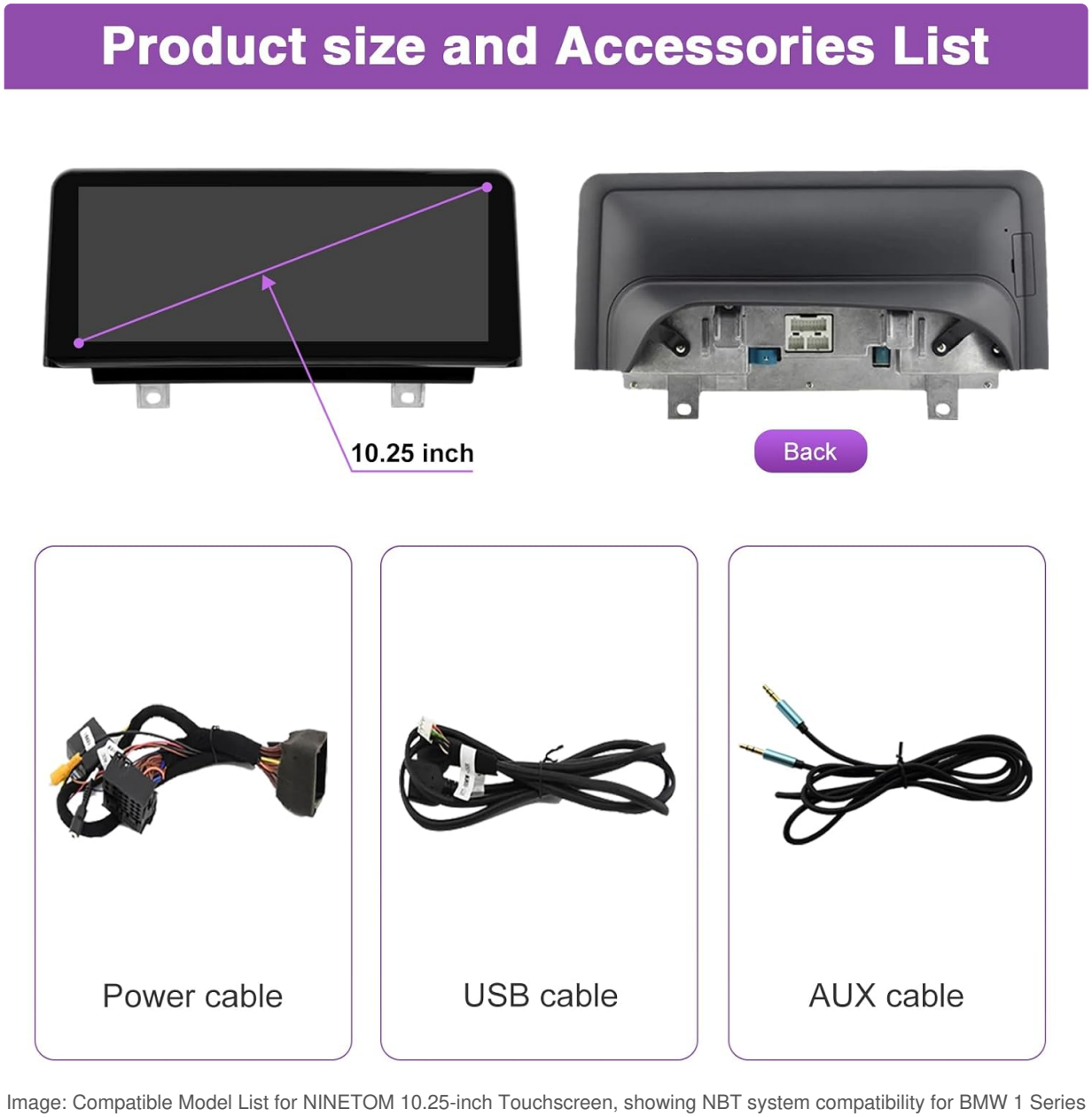


Image: Compatible Model List for NINETOM 10.25-inch Touchscreen, showing NBT system compatibility for BMW 1 Series F20 F21 and 2 Series F22 from 2013-2016, both with a 10.25-inch screen.

3. Package Contents

The package includes the following items:

- 10.25-inch Touchscreen Display
- Power Cable
- USB Cable
- AUX Cable

Compatible Model List

SYSTEM	MODEL	YEAR	SCREEN
NBT	1 Series F20 F21	2013- 2016	10.25"
NBT	2 Series F22	2013- 2016	10.25"





Compatible with BMW NBT System F20 F21 F22 Vehicle

Image: Product size and Accessories List, showing the 10.25-inch screen, power cable, USB cable, and AUX cable.

4. Installation Guide

4.1 Pre-installation Notes

- Ensure your vehicle is turned off and the battery is disconnected before starting installation.
- This is a plug-and-play installation, designed to be non-destructive. No cutting or breaking of original cables is required.
- If your original vehicle has an optical fiber cable, it must be removed from the original connector and inserted into the new power cable harness. Failure to do so may result in no audio.

4.2 Optical Fiber Cable Relocation

If your original vehicle system uses an optical fiber cable for audio, it must be transferred to the new power harness to ensure sound functionality.

Video: Instructions on how to relocate optic cables to the Linux harness for BMW, demonstrating the process of unplugging the original power cable, removing the optical fiber cable, and plugging it into the new power cable harness.

4.3 General Installation Steps

1. Carefully remove the original car screen and head unit from the dashboard.
2. Disconnect the original power cable from the head unit.
3. If applicable, relocate the optical fiber cable as shown in the video above.
4. Connect the male connector of the original power cable to the female connector of the new power cable harness.
5. Connect the male connector of the new power cable harness to the female connector of the original car host power supply.
6. Connect the new touchscreen display to the new power cable harness.
7. Carefully route all cables and secure the new touchscreen display in the dashboard.



Image: Before and After Installation, showing the original BMW screen and the new NINETOM 10.25-inch touchscreen installed.

5. Operating Instructions

5.1 Audio Settings

Proper audio setup is crucial for sound quality. Follow these steps to configure your audio output.

5.1.1 AUX Cable Transmission

1. Connect the provided EXT-AUX cable to the AUX port in your vehicle.
2. If your mobile phone's Bluetooth is connected to the original vehicle's Bluetooth, please disconnect it.
3. Return to the Main menu page of the original system, select 'Multimedia', then 'External devices', and finally 'AUX front'.
4. Adjust the volume of AUX. Ensure it is not set to 0.
5. Touch the screen to switch to the new system and turn on CarPlay/Android Auto. You should now be able to play music.

5.1.2 Bluetooth Transmission (for vehicles with OEM vehicle Bluetooth supporting phone calls and music)

1. Return to the main page of the new system and select 'Setup'. Go to 'System' and turn on 'Use Car's BT Channel'.
2. Switch to the original vehicle system. Turn on the original vehicle's Bluetooth page and connect your mobile phone's Bluetooth to the original vehicle's Bluetooth.
3. Return to the Main menu page of the original system, select 'Multimedia', then 'External devices', and select the Bluetooth name of your mobile phone.
4. Touch the screen to switch to the new system and turn on CarPlay/Android Auto. You should now be able to play music.

Video: Detailed audio settings for Linux Screen for BMW CIC and NBT, covering both AUX and Bluetooth transmission methods.

5.2 Wireless CarPlay / Android Auto Connection

The NINETOM touchscreen supports both wireless CarPlay and Android Auto for seamless smartphone integration.

1. Before connection, ensure that the 'CarPlay' option is turned on in 'Setup -> Smart Phone -> Smart Phone Setting' on the new system.
2. On your mobile phone, turn on Wi-Fi.
3. Turn on Bluetooth on your mobile phone.
4. Search for the screen's Bluetooth name (e.g., "CAR-BT-XXXX") and pair it.
5. Allow contact and favorites sync if prompted.
6. Click "Use CarPlay" on your phone to activate the CarPlay function.

Video: Step-by-step guide on how to set up Wireless CarPlay on BMW, including enabling CarPlay in settings, turning on phone Wi-Fi and Bluetooth, pairing the device, and activating CarPlay.

CarPlay / Android Auto / Mirror Link



Display your Apple apps on the screen



Display your Android apps on the screen



MirrorLink Function：AirPlay（for iPhone）& AutoLink（for Android）

Image: Display of CarPlay, Android Auto, and Mirror Link functionalities on the NINETOM 10.25-inch touchscreen.

Support Wireless / Wired Carplay & Android Auto

Wireless connection via Bluetooth or wired connection via USB cable allows you to use your iPhone apps on the screen.
This includes accessing online maps , listening to music , and making phone calls



Wireless Carplay



Android Auto

Image: Illustrates support for both wireless and wired CarPlay and Android Auto, showing navigation, music, and call functions.

5.3 Wireless AirPlay Connection

Connect your iPhone to the NINETOM touchscreen using Wireless AirPlay for screen mirroring.

1. Before connection, ensure that the 'AirPlay' option is turned on in 'Setup -> Smart Phone -> Smart Phone Setting' on the new system.
2. On your iPhone, search for the screen's Wi-Fi name (e.g., "CAR-WIFI-XXXX") and connect to it. If a password is required, enter "66668888".
3. From your iPhone's Control Center, select 'Screen Mirroring' and then choose 'AirPlay'.

Video: Instructions on how to set up AirPlay on BMW, including enabling AirPlay in settings, connecting to the screen's Wi-Fi, and initiating screen mirroring from the iPhone.

5.4 System Switching

Easily switch between the new NINETOM system and your original BMW iDrive system.

- To switch from the new system to the original system: Click the 'Original car interface' icon on the new system's home screen.
- To switch from the original system to the new system: Touch anywhere on the screen, or hold the 'MENU' button on your iDrive controller for 3 seconds.

Video: Demonstrates system switching for BMW CIC and NBT, showing how to transition between the new interface and the original car system using the screen and iDrive controller.



Image: Illustrates the system switching function, showing a visual transition between the new system and the original car interface by long-pressing the 'MENU' button.

5.5 Resolution Setup

It is essential to set the correct screen resolution to ensure proper display of the original OEM system. Incorrect resolution can cause display issues.

1. Navigate to 'Setup -> Car Settings -> Original Car's Screen Resolution'.
2. Select a resolution compatible with your original vehicle screen. If unsure, manually test different resolutions until the display is correct.

Video: Guide on original resolution settings for BMW, demonstrating how to access and select the correct screen resolution to avoid display issues.

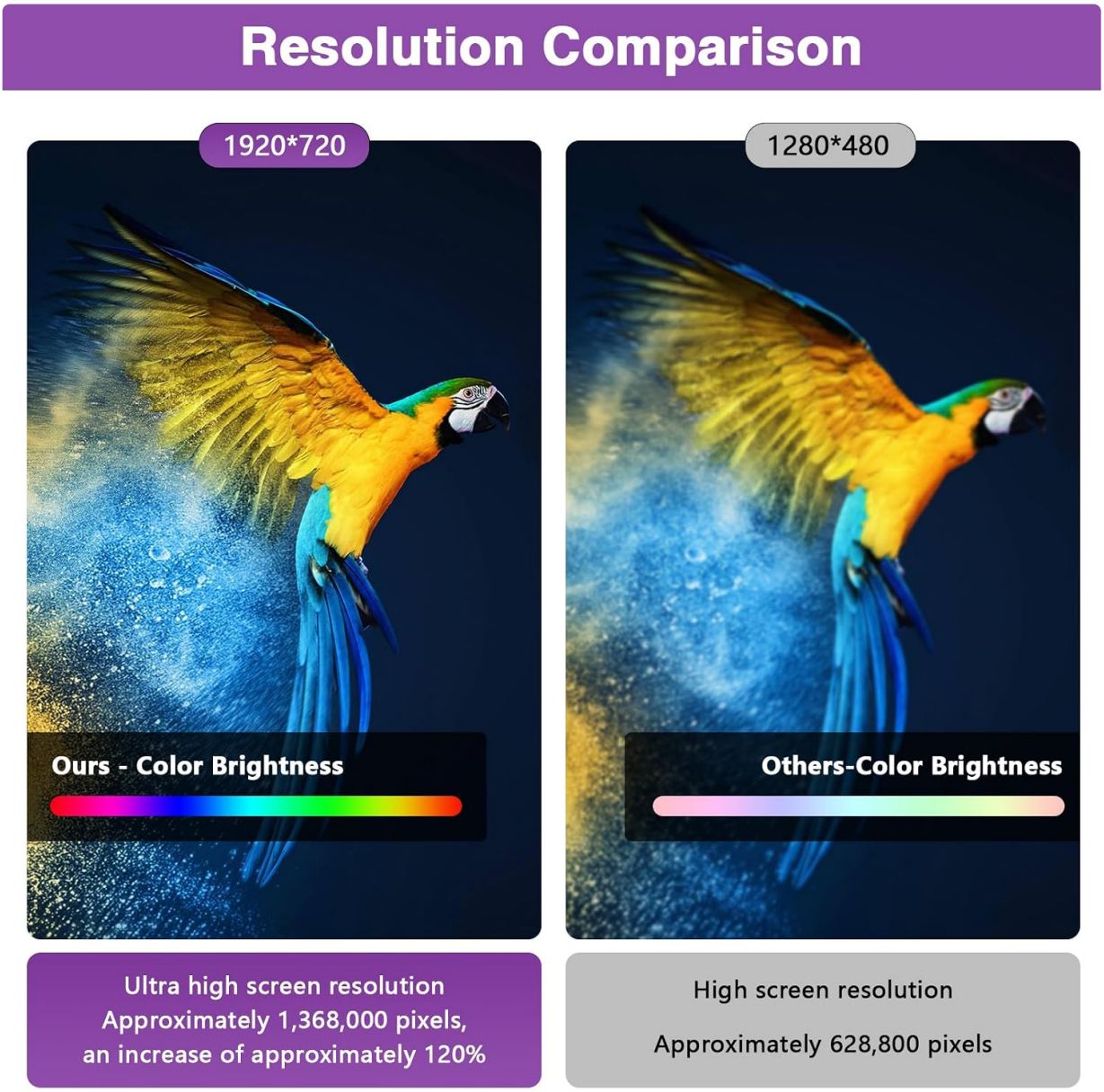


Image: Resolution Comparison, highlighting the 1920x720 HD resolution of the NINETOM screen compared to a standard 1280x480 screen.

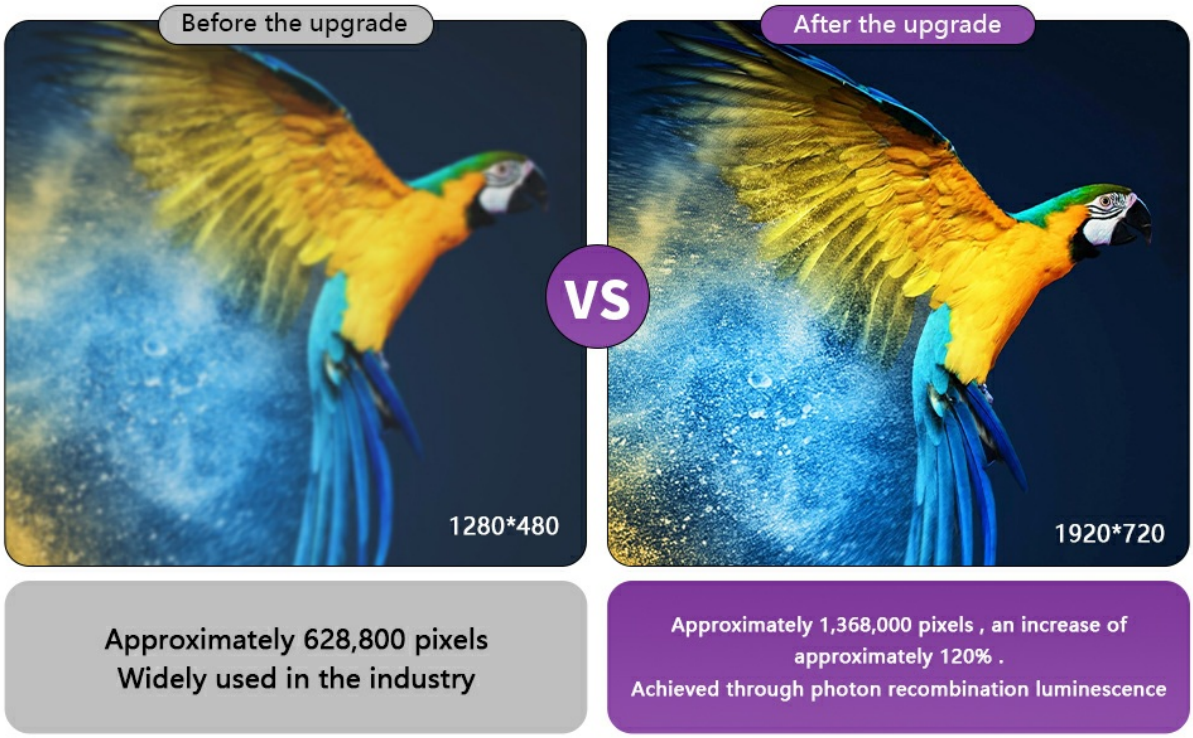


Image: Before and After Upgrade, illustrating the visual difference between a 1280x480 screen and the upgraded 1920x720 screen.

6. Maintenance

To ensure the longevity and optimal performance of your NINETOM touchscreen, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Temperature:** Avoid exposing the device to extreme temperatures, both hot and cold, for extended periods.
- **Physical Damage:** Protect the screen from impacts and sharp objects.
- **Software Updates:** Periodically check for firmware updates to ensure the system is running the latest software and has the best performance.

Day And Night Mode

Automatic light sensitivity adjusts the day and night mode according to your car's original headlights



Image: Day and Night Mode, showing how automatic light sensitivity adjusts the display based on the car's original headlights for comfortable viewing.

7. Troubleshooting

If you encounter issues with your NINETOM touchscreen, refer to the following common problems and solutions:

7.1 Audio Input Issues

1. Has the optical fiber cable been transferred to the new power harness correctly? (Refer to Section 4.2)
2. Has the "Use Car's BT Channel" option been turned off (for AUX) or on (for Bluetooth)? (Refer to Section 5.1)
3. Has the phone's Bluetooth connection to the vehicle been disconnected (for AUX) or connected (for Bluetooth)?
4. Has the AUX cable been connected, and its input volume turned up (for AUX)?
5. If there is noise, try connecting or disconnecting the GND cable.

7.2 Display Issues (Incorrect Resolution)

1. Ensure you have selected a resolution compatible with your original vehicle screen. (Refer to Section 5.5)
2. Manually test different resolution options in 'Setup -> Car Settings -> Original Car's Screen Resolution' until the display is correct.

7.3 CarPlay/Android Auto Connection Issues

1. Verify that the CarPlay/Android Auto option is enabled in 'Setup -> Smart Phone -> Smart Phone Setting'.
2. Ensure your phone's Wi-Fi and Bluetooth are both turned on.
3. Confirm that your phone is correctly paired with the screen's Bluetooth (e.g., "CAR-BT-XXXX").

7.4 Original Car Functions Not Working

The upgraded touch screen retains all original functions, including the original car radio, amplifier function, factory joystick control, original reversing camera, and more. If any original function is not working:

- Double-check all cable connections, especially the main power harness.
- Ensure the optical fiber cable is correctly installed if your vehicle uses it.
- Verify that no software changes were made to the vehicle's control units during installation.



Image: Illustrates the retention of original car functions such as the original car system, stereo sound, reverse system, CD player, steering wheel control, and iDrive knob control.

8. Specifications

Feature	Detail
Screen Size	10.25 inches
Resolution	1920 x 720 HD

Feature	Detail
Operating System	Linux
Connectivity	Wireless CarPlay, Wireless Android Auto, USB, Bluetooth, Wi-Fi
Human Interface Input	Touchscreen
Compatible Devices	Smartphone (iOS, Android)
Item Model Number	lin-12-NBT-10.25
Item Weight	3.85 pounds (1.75 Kilograms)
Package Dimensions	12.68 x 7.17 x 5.39 inches

Product Features



Image: Product Features, showing the Linux screen interface with icons for original car interface, CarPlay, Auto, Bluetooth, DVR, BT Music, Screen off, and Setup.

9. Warranty & Support

NINETOM products are designed for reliability and performance. For any installation issues, technical support, or warranty inquiries, please contact NINETOM customer service through the Amazon seller portal. Our team is ready to assist you.
To contact support:

1. Go to the product page on Amazon.
2. Click on the 'ninetom' store link (usually near the product title or 'Sold by' section).
3. On the NINETOM store page, look for a 'Contact Seller' or 'Ask a question' option.

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